| Essential Learning | # | Components | Suggested | |
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| Activities | Assessments |
| **VCS T 1.1 Understand the ethical, cultural, and societal issues related to technology**  AK Standard: E1, E2, E3, E4, E5, E6, E7, E8  ISTE Standard: 5a, 5b, 5c, 5d | VCS 1.1.1 | Practice responsible use of technology systems, information, and software | Re-state or discuss classroom rules for technology use  Place keyboard, mouse and headphones in correct position when leaving workstation  Create cards that show “do’s” and “don’ts” of computer care and share with Kindergarten | Skills checklist  Oral quiz  Teacher observation |
|  | VCS 1.1.2 | Develop positive attitudes towards technology use that supports lifelong learning, collaboration, personal pursuits, and productivity | Create a slide for a class slideshow on a classroom topic  Have students describe how technology is used in their daily lives |
| **VCS T 1.2 Utilize basic input devices**  AK Standard: A1  ISTE Standard: 6a | VCS  1.2.1 | Use appropriate mouse skills | Demonstrate point, click, drag, drag-and-drop and double-click using mouse | Skills checklist  Paper keyboard  Teacher observation |
|  | VCS 1.2.2 | Use appropriate keyboarding skills and techniques | View a presentation on appropriate keyboard posture  Have students locate the keys “F” and “J” on the keyboard |
|  | VCS  1.2.3 | Use the keyboard to provide input to applications, software, and the internet | Color a paper keyboard to locate specific keys (return, space bar, numbers, arrows, delete, period, shift, and question mark)  Use the text tool to type within a program |
| **VCS T 1.3 Demonstrate an understanding of technology concepts, systems, and operations**  AK Standard: A1, A2, A3, A4, A5  ISTE Standard: 6a, 6b, 6c, 6d | VCS 1.3.1 | Recognize, define, and use technology terms, processes and systems | Use the terms cursor, and dock appropriately  Print a completed document  Identify the basic parts of a computer: monitor, keyboard, mouse, headphones, CPU, power button, printer, and station number | Skills checklist  Oral quiz  Teacher observation |
|  | VCS 1.3.2 | Select and use applications effectively and productively | Remember the names of the applications used in class and what they’re used for  Create and find usernames when prompted by a program  Use the undo function within programs  Practice saving, locating, and opening documents |
|  | VCS 1.3.3 | Diagnose and solve common technology problems | Practice using function keys to increase and decrease volume  Demonstrate correct method for plugging and unplugging headphones  Identify when a computer is in “sleep mode,” has frozen, or is powered off  Play a game of “What If:” What if double-click doesn’t work? What if monitor appears off? What if volume doesn’t work? |
| **VCS T 1.4 Demonstrate creative thinking and innovation**  AK Standard: D1  ISTE Standard: 1a, 1b, 1c, 1d | VCS 1.4.1 | Apply knowledge to develop new products using technology | Have students create a slideshow about themselves  Create an idea web | Skills checklist  Project Rubric |
|  | VCS 1.4.2 | Create original products to convey ideas or as personal or group expression | Draw a self-portrait  Have students illustrate a story they have written in class  Illustrate their “What Would You Do With $100?” page |
|  | VCS 1.4.3 | Explore issues or ideas using models or simulations | Visit a digital museum to explore topics and have students discuss their favorite parts of the museum  Read online books  Use virtual rulers, unifix cubes, and other digital math manipulatives |
| **VCS T 1.5 Use digital media and environments to communicate and work collaboratively**  AK Standard: D2, D3  ISTE Standard: 2a, 2b, 2c, 2d | VCS 1.5.1 | Convey ideas to a variety of audiences using digital media and tools | Present a completed slideshow to classmates with assistance from the teacher | Skills checklist  Project Rubric  Teacher observation |
|  | VCS 1.5.2 | Contribute to project teams to produce original works or solve problems | Produce a slide that goes into a whole-class slideshow and present to classmates  Produce mini-books to give to Kindergarten students |
|  | VCS 1.5.3 | Use technology to interact with others to create cultural and global awareness | Use peer-to-peer video conferencing software to talk to people from other cultures or show students other places |